



Micro-Accelerometers Monitor Equipment Health

Glenn Research Center

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NASA Technology

- ◆ Experiments performed on the International Space Station may be skewed by the effects of gravitational forces
- ◆ Accelerometers are used to account for such effects in experimental outcomes, but the Space Agency was looking for a smaller, more cost-effective model



Technology Transfer

- ◆ NASA awarded Small Business Innovation Research (SBIR) funding to Evigia to develop a low-cost micro-accelerometer
- ◆ Evigia's work with the accelerometer has helped the company with its line of prognostic sensors, which help monitor the condition of industrial equipment

Benefits

- ◆ Accelerometers are used in sensors that record equipment diagnostic data, such as vibration, humidity, temperature, and mechanical shock
- ◆ The US Air Force and the Department of Defense have funded the company to advance the technology further
- ◆ Product sales have resulted in five new hires